

Product datasheet for **SC105779**

MAGED2 (AK091003) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	MAGED2
Synonyms:	11B6; BARTS5; BCG-1; BCG1; HCA10; MAGE-D2
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF: >NCBI ORF sequence for AK091003, the custom clone sequence may differ by one or more nucleotides

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TGTGAAGCAGAAGTAAGTATCTGTCTGGTGTTTCATGTGTTCCATGCATTTGGCCTATTTCAGAACTGA
GTGATAAAGCCGTGGTGCATGGATGCATGTGTCTATGTGTGTATGTATTGCATATTTGCATGTATGCAG
GTGGGATTATTCCTTGGCGGTGATGGGAAACAGGAGCAGCACATGTTTCCTGATCTGTTACATATACCT
CAACATTTGTCTTGAGACCAGTTCTGCAAGGGAGGGATTATCATTACCATCATTGTACGTATGCAGAAAC
TGAGGTTTATAGAGAGGTGAAGTCATTTGGTCAGGGTTACACAGGTAGCAAGTAGAAGATTATGTTTAGAA
CTTGGCTCCAAAGCCTTAGTTCTTTTATCTGCTAACTAGAGCTTCATAGAAATTAATTTCCGTAAAGA
AATGACATAGAATGGTAGCTTCAGGCAACCAGGTACCATGCTGGGGAGTTGACTTGTACATCTCATTTC
TTTTCATAACTACCCTGCAGCTGTATCCCATCCCCGTTTTACAGTTGAGGGACCTGGGGCTCCGAGAAG
GGAGATCTGAGCATGGCCACAGCTGGTATGGGCCTGGAGCCAGTCCTCTGAATTTCTGGCCAAAGCT
CACCTATCCTTGGTCTTGGAGGACATGCAAACTCACACAGCCACACGCATGTGCACACAGAAACACA
CACAAAGGTCAGGAATTCAGCATGTGTGAAGCATGCTGCTATTGGCTGTTCTTCTCTGTAGTCTTTCT
GGTCATTTTCTGTGGTGGACCTTTCTGGGCTTGCCAGGCTGAGGCCAAGACACTTGCAGTGGGGTGTGC
TCAGAGCAGGGGGCCAAAGAATGGCTCCTCTGTTTACAACACACCCCAACAGGAATCTGGGGTCATTGTG
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AGACCAAGTGGGACAGGGCTCAATATTGGAAGAAAGACTGTAGTAATTAGTGGATGATGTTGCCATCTGGA
GCCTGTCCAGTCTATGCATGGGTAGGCCATGAATGGTCTTAGAAATAAAGGCTTTGAACCTCTCTTTCCA
AGGTACCTGGACTATGCCAGAGTCCCCAATAGCAATCCCCCTGAATATGAGTTCTTCTGGGGCTGCGCT
CTTACTATGAGACCAGCAAGATGAAAGTCTCAAGTTTGCCTGCAAGGTAATTGGAGAGCTCCTTGAGCT
TGGCAAGTCAAGAGCATGGGGTCCCTGGCTGGGGCAGGCTGTGTGCAGAGCAGCCTGCAGTTCAAATC
TGAATGTTTTGGTGCTTCTGTTAATTGTCAAAACACTGTAACAGGCACTTTATCTGAATCATTTAAGCCT
TACAACCTGATATGTCATTGCCTGTTACAGATGAGAAAACCGAGGCCAGAAAGGTTGGTAGGTGACAT
GTCCAAAGTCATGGGACTAGGAAGTGTGAGAGCAGGGATGGAATATTAGGTGCATAATTACTGGTAATAC
TGTATTATTACTATTATCTTTTATACTAAGCATGTAGCATAGTGCCTAGCATAAAGGTAGATGCTTAAT
CCTCTTATGCTCCTTCTGATGGTTATTTACATAGTAATACTGTATTATTACTATGGCTTAATCCCTCTAT
GCTCCTTCTGATGGTTATTTTGTTCAGGTACAAAAGAAGGATCCCAAGGAATGGGCAGCTCAGTACCG
AGAGGCGATGGAAGCAGATTTGAAGGCTGCAGCTGAGGCTGCAGCTGAAGCCAAGGCTAGGGCCGAGATT
AGAGCTCGAATGGGCATTGGGCTCGGCTCGGAGAATGCTGCCGGGCCCTGCAACTGGGACGAAGCTGATA
TCGGACCCTGGGCCAAAGCCCGGATCCAGGCGGGAGCAGAAGCTAAAGCCAAAGCCCAAGAGAGTGGCAG
TGCCAGCACTGGTGCCAGTACCAATAACAGTGCCAGTGCCAGTGCCAGCACCAGTGGTGGCTTC
AGTGCTGGTGCCAGCCTGACCGCCACTCTCACATTTGGGCTCTTCGCTGGCCTTGGTGGAGCTGGTGCCA
GCACCAGTGGCAGCTCTGGTGCCTGTGGTTTCTCCTACAAGTGAGATTTAGGTATCTGCCTTGGTTTCA
GTGGGGACATCTGGGGCTTATGGGGCTGGGATGAGGAGCTGGATGATTCTAGGAAGGCCCAAGTTGGAGA
ATGATGTGGAGAGTGTGCCAAGACACTGCTTTTGGCATTATTTCTTTCTGTTTGTGGATGTCAATTG
ACCTTTTATTTTCTTACTTGTGTTTTAGATATTGTTAATCCTGCCAGTCTTTCTTTCAAGCCAGG
GTGCATCTCAGAAACCTACTCAACACAGCACTTAGGCAGCCACTATCAATCAATTGAAGTTGACACTC
TGCAATTAATCTATTTGCCATTTCTG
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5' Read Nucleotide Sequence:	>OriGene 5' read for AK091003 unedited <pre> ATTTGTAATACGACTCACTATAGGGCGGCNCGCGAATCGGCACGAGGGCAAGTTGGGGCT GCGCCCTGGGATACATCATTCACTCTTTGGGGACGTGAAGAAGCTCATCACTGATGAGTT TGTGAAGCAGAAAGTACCTGGACTATGCCAGAGTCCCCAATAGCAATCCCCCTGAATATGA GTTCTTCTGGGGCTGCGCTCTTACTATGAGACCAGCAAGATGAAAGTCTCAAGTTTGC CTGCAAGGTACAAAAGAAGGATCCCAAGGAATGGGCAGCTCAGTACCGAGAGGCGATGGA AGCGGATTTGAAGGCTGCAGCTGAGGCTGCAGCTGAAGCCAAGGCTAGGGCCGAGATTAG AGCTCGAATGGGCAATTGGGCTCGGCTCGGAGAATGCTGCCGGGCCCTGCAACTGGGACGA AGCTGATATCGGACCCTGGGCCAAAGCCCGGATCCAGGCGGGAGCAGAAGCTAAAGCCAA AGCCCAAGAGAGTGGCAGTGCCAGCACTGGTGCCAGTACCAAGTACCAATAACAGTGCCAG TGCCAGTGCCAGCACCAGTGGTGGCTTCAGTGCTGGTGCCAGCCTGACCGCCACTCTCAC ATTTGGGCTCTTCGCTGGCCTTGGTGGAGCTGGTGCCAGCACCAGTGGCAGCTCTGGTGC CTGTGGTTTCTCCTACAAGTGAGATTTTAGGTATCTGCCTTGGTTTCAGTGGGGACATCT GGGGCTTATGGNGCTGGGATGANGAGCTGGATGATTCTANGAAGGGCCAAGTTGGAGAAT GATGNTGGAGAGTGTGCCAAGACACTGCTTTTGGCATTNTATTCTTTCTGTNTGCTGGA TGTC AATNGACCCTTTTATTTTCTCTTACTTGNGTTTCAGAAA </pre>
Restriction Sites:	NotI-NotI
ACCN:	AK091003
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	AK091003.1
RefSeq Size:	2476 bp
RefSeq ORF:	2476 bp
Locus ID:	10916
Cytogenetics:	Xp11.21

Gene Summary:

This gene is a member of the MAGED gene family. The MAGED genes are clustered on chromosome Xp11. This gene is located in Xp11.2, a hot spot for X-linked intellectual disability (XLID). Mutations in this gene cause a form of transient antenatal Bartter's syndrome. This gene may also be involved in several types of cancer, including breast cancer and melanoma. The protein encoded by this gene is progressively recruited from the cytoplasm to the nucleoplasm during the interphase and after nucleolar stress and is thus thought to play a role in cell cycle regulation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2017]